



**MICHELLE LUJAN GRISHAM**  
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**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

*Surface Water Quality Bureau*  
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**JAMES C. KENNEY**  
Cabinet Secretary Designate

**JENNIFER PRUETT**  
Deputy Secretary

**Certified Mail - Return Receipt Requested**

May 28, 2019

Mr. Kirk Patten, Fisheries Chief  
New Mexico Department of Game and Fish  
P.O. Box 25112  
Santa Fe, NM 87504

**RE: Lisboa Fish Hatchery NMDG&F; Minor Industrial; NPDES Compliance Evaluation  
Inspection; SIC 0921; NPDES NM0030121; May 1, 2019**

Dear Mr. Patten:

Enclosed please find a copy of the report and check list for the referenced inspection that the New Mexico Environment Department (NMED) conducted at your facility on behalf of the U.S. Environmental Protection Agency (USEPA). This inspection report will be sent to the USEPA in Dallas for their review. These inspections are used by USEPA to determine compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program in accordance with requirements of the federal Clean Water Act.

Introduction, treatment scheme, and problems noted during this inspection are discussed in the "Further Explanations" section of the inspection report.

You are encouraged to review the inspection report, required to correct any problems noted during the inspection, and advised to modify your operational and/or administrative procedures, as appropriate. If you have comments on or concerns with the basis for the findings in the NMED inspection report, please contact us (see the address below) in writing within 30 days from the date of this letter. Further, you are encouraged to notify in writing both the USEPA and NMED regarding modifications and compliance schedules at the addresses below:

David Long  
US Environmental Protection Agency, Suite 1200  
Enforcement Branch (6EN-WS)  
1445 Ross Avenue  
Dallas, Texas 75202-2733

Sarah Holcomb, Program Manager  
New Mexico Environment Department  
Surface Water Quality Bureau  
Source Regulation Section  
P.O. Box 5469  
Santa Fe, New Mexico 87502

Lisboa State Fish Hatchery  
May 1, 2019

If you have any questions about this inspection report, please contact Daniel Valenta at (505) 827- 2575 or at [Daniel.Valenta@state.nm.us](mailto:Daniel.Valenta@state.nm.us).

Sincerely,

*/s/Sarah Holcomb*

Sarah Holcomb  
Surface Water Quality Bureau

Cc. Carol Peters-Wagnon, USEPA (6EN-WM) by e-mail  
David Long, USEPA (6EN-WM) by e-mail  
Amy Andrews, USEPA (6EN-WM) by e-mail  
David Esparza, USEPA (6EN-WM) by e-mail  
Darlene Whitten-Hill, USEPA (6EN-WC) by e-mail  
Nancy Williams, USEPA (6EN-WC) by e-mail  
Samantha Ferguson, NMG&W by e-mail



Form Approved  
OMB No. 2040-0003  
Approval Expires 7-31-85

## NPDES Compliance Inspection Report

### Section A: National Data System Coding

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N 2 5 3 N M 0 0 3 0 1 2 1 11 12 1 9 0 5 0 1 17 18 C 19 S 20 2					
Remarks					
L I S B O A F I S H H A T C H E R Y					
Inspection Work Days	Facility Evaluation Rating	BI	QA	Reserved	
6 7 69	70 4	71 N	72 N	73	74 75 80

### Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)	Entry Time /Date 0953 hours/5/1/2019	Permit Effective Date 8-21-2018
NM Department of Game and Fish, Lisboa Springs Hatchery, San Miguel County: From I-25 exit onto the Glorieta exit 299. Turn left to cross the bridge and travel east on Hwy 50 for approximately 5.5 miles until you reach the intersection of Hwy 50 and Hwy 63. Travel north on Hwy 63 for approximately 2.5 miles (just past mile marker 8 and the monastery) to the hatchery.	Exit Time/Date 1338 hours/5-1-2019	Permit Expiration Date 8-20-2023
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data	
Ms. Francina Martinez, Hatchery Manager (505) 757-6360 Mr. William Browne, Fish Culturist I, (505) 757-6360	Outfall 002: 35° 36' 30.2" 105° 40' 36.9" Outfall 003: 35° 36' 29.7" -105° 40' 35.9" Outfall 004: 35° 36' 33.7" -105° 40' 37.4"	
Name, Address of Responsible Official/Title/Phone and Fax Number	SIC 0921	
Mr. Kirk Patten/ P.O. Box 2511, Santa Fe, New Mexico 87504/ Fisheries Chief/ (505-476-8053)	Contacted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

### Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

S	Permit	S	Flow Measurement	S	Operations & Maintenance	N	CSO/SSO
M	Records/Reports	N	Self-Monitoring Program	N	Sludge Handling/Disposal	N	Pollution Prevention
S	Facility Site Review	N	Compliance Schedules	N	Pretreatment	N	Multimedia
S	Effluent/Receiving Waters	S	Laboratory	N	Storm Water	N	Other:

### Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

SEE ATTACHED CHECKLIST FOR FURTHER EXPLANATIONS.

Name(s) and Signature(s) of Inspector(s) DANIEL VALENTA /s/Daniel Valenta	Agency/Office/Telephone/Fax NMED/SWQB 505-827-2575	Date 5/28/2019
Signature of Management QA Reviewer JENNIFER FOOTE /s/Jennifer Foote	NMED/SWQB 505-827-0596	Date 5/28/2019

Lisboa Fish Hatchery	PERMIT NO. NM0030121
SECTION A - PERMIT VERIFICATION	
PERMIT SATISFACTORILY ADDRESSES OBSERVATIONS <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA (FURTHER EXPLANATION ATTACHED <u>No.</u> )	
DETAILS:	
1. CORRECT NAME AND MAILING ADDRESS OF PERMITTEE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
2. NOTIFICATION GIVEN TO EPA/STATE OF NEW DIFFERENT OR INCREASED DISCHARGES	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
3. NUMBER AND LOCATION OF DISCHARGE POINTS AS DESCRIBED IN PERMIT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
4. ALL DISCHARGES ARE PERMITTED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
SECTION B - RECORDKEEPING AND REPORTING EVALUATION	
RECORDS AND REPORTS MAINTAINED AS REQUIRED BY PERMIT. <input type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA (FURTHER EXPLANATION ATTACHED <u>Yes.</u> )	
DETAILS:	
1. ANALYTICAL RESULTS CONSISTENT WITH DATA REPORTED ON DMRs	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
2. SAMPLING AND ANALYSES DATA ADEQUATE AND INCLUDE.	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
a) DATES, TIME(S) AND LOCATION(S) OF SAMPLING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
b) NAME OF INDIVIDUAL PERFORMING SAMPLING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
c) ANALYTICAL METHODS AND TECHNIQUES.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
d) RESULTS OF ANALYSES AND CALIBRATIONS.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
e) DATES AND TIMES OF ANALYSES. <b>Bench sheets missing time the analyses occurred.</b>	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA
f) NAME OF PERSON(S) PERFORMING ANALYSES.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
3. LABORATORY EQUIPMENT CALIBRATION AND MAINTENANCE RECORDS ADEQUATE.	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
4. PLANT RECORDS INCLUDE SCHEDULES, DATES OF EQUIPMENT MAINTENANCE AND REPAIR.	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
5. EFFLUENT LOADINGS CALCULATED USING DAILY EFFLUENT FLOW AND DAILY ANALYTICAL DATA.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
SECTION C - OPERATIONS AND MAINTENANCE	
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED. <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA (FURTHER EXPLANATION ATTACHED <u>No.</u> )	
DETAILS:	
1. TREATMENT UNITS PROPERLY OPERATED.	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
2. TREATMENT UNITS PROPERLY MAINTAINED.	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
3. STANDBY POWER OR OTHER EQUIVALENT PROVIDED.	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
4. ADEQUATE ALARM SYSTEM FOR POWER OR EQUIPMENT FAILURES AVAILABLE.	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
5. ALL NEEDED TREATMENT UNITS IN SERVICE	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
6. ADEQUATE NUMBER OF QUALIFIED OPERATORS PROVIDED. <b>Facility is short staffed.</b>	<input type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
7. SPARE PARTS AND SUPPLIES INVENTORY MAINTAINED.	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA
8. OPERATION AND MAINTENANCE MANUAL AVAILABLE.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
STANDARD OPERATING PROCEDURES AND SCHEDULES ESTABLISHED.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
PROCEDURES FOR EMERGENCY TREATMENT CONTROL ESTABLISHED.	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA

Lisboa Fish Hatchery		PERMIT NO. NM 0030121	
SECTION C - OPERATIONS AND MAINTENANCE (CONT'D)			
9. HAVE BYPASSES/OVERFLOWS OCCURRED AT THE PLANT OR IN THE COLLECTION SYSTEM IN THE LAST YEAR? IF SO, HAS THE REGULATORY AGENCY BEEN NOTIFIED? HAS CORRECTIVE ACTION BEEN TAKEN TO PREVENT ADDITIONAL BYPASSES/OVERFLOWS?		<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
10. HAVE ANY HYDRAULIC OVERLOADS OCCURRED AT THE TREATMENT PLANT? IF SO, DID PERMIT VIOLATIONS OCCUR AS A RESULT?		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
SECTION D - SELF-MONITORING			
PERMITTEE SELF-MONITORING MEETS PERMIT REQUIREMENTS. DETAILS:		<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA (FURTHER EXPLANATION ATTACHED <u>No.</u> )	
1. SAMPLES TAKEN AT SITE(S) SPECIFIED IN PERMIT.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
2. LOCATIONS ADEQUATE FOR REPRESENTATIVE SAMPLES.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
3. FLOW PROPORTIONED SAMPLES OBTAINED WHEN REQUIRED BY PERMIT.		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
4. SAMPLING AND ANALYSES COMPLETED ON PARAMETERS SPECIFIED IN PERMIT.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
5. SAMPLING AND ANALYSES PERFORMED AT FREQUENCY SPECIFIED IN PERMIT.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
6. SAMPLE COLLECTION PROCEDURES ADEQUATE		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
a) SAMPLES REFRIGERATED DURING COMPOSITING.		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
b) PROPER PRESERVATION TECHNIQUES USED.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
c) CONTAINERS AND SAMPLE HOLDING TIMES CONFORM TO 40 CFR 136.3.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
7. IF MONITORING AND ANALYSES ARE PERFORMED MORE OFTEN THAN REQUIRED BY PERMIT, ARE THE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT?		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
SECTION E - FLOW MEASUREMENT			
PERMITTEE FLOW MEASUREMENT MEETS PERMIT REQUIREMENTS. DETAILS:		<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA (FURTHER EXPLANATION ATTACHED <u>No.</u> )	
1. PRIMARY FLOW MEASUREMENT DEVICE PROPERLY INSTALLED AND MAINTAINED. TYPE OF DEVICE		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
2. FLOW MEASURED AT EACH OUTFALL AS REQUIRED.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
3. SECONDARY INSTRUMENTS (TOTALIZERS, RECORDERS, ETC.) PROPERLY OPERATED AND MAINTAINED.		<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
4. CALIBRATION FREQUENCY ADEQUATE. <b>Calibration check needs to be completed</b> RECORDS MAINTAINED OF CALIBRATION PROCEDURES. CALIBRATION CHECKS DONE TO ASSURE CONTINUED COMPLIANCE.		<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> NA <input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> NA	
5. FLOW ENTERING DEVICE WELL DISTRIBUTED ACROSS THE CHANNEL AND FREE OF TURBULENCE.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
6. HEAD MEASURED AT PROPER LOCATION.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
7. FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGE OF FLOW RATES.		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
SECTION F - LABORATORY			
PERMITTEE LABORATORY PROCEDURES MEET PERMIT REQUIREMENTS. DETAILS:		<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA (FURTHER EXPLANATION ATTACHED <u>No.</u> )	
1. EPA APPROVED ANALYTICAL PROCEDURES USED (40 CFR 136.3 FOR LIQUIDS, 503.8(b) FOR SLUDGES)		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	

Lisboa Fish Hatchery						Permit No. NM 0030121	
SECTION F - LABORATORY (CONT'D)							
2. IF ALTERNATIVE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED						<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
3. SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT.						<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA	
4. QUALITY CONTROL PROCEDURES ADEQUATE. TRC meter displays in (mg) DMR's use (ug) where is the conversion made?						<input type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA	
5. DUPLICATE SAMPLES ARE ANALYZED. 10 % OF THE TIME.						<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
6. SPIKED SAMPLES ARE ANALYZED. % OF THE TIME.						<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA	
7. COMMERCIAL LABORATORY USED.						<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA	
LAB NAME NM Scientific Laboratory Division Hunther and Associates							
LAB ADDRESS 1101 Camino De Salud, Albuq, NM 87102 1156 North Bonnie Brae, Denton TX 76201							
PARAMETERS PERFORMED TSS Biomonitoring							
SECTION G - EFFLUENT/RECEIVING WATERS OBSERVATIONS. <input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA (FURTHER EXPLANATION ATTACHED No ).							
OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	FLOAT SOL.	COLOR	OTHER
Outfall Comb	clear	clear	clear	clear	clear	clear	
RECEIVING WATER OBSERVATIONS: Clear with no smell or color.							
SECTION H - SLUDGE DISPOSAL							
SLUDGE DISPOSAL MEETS PERMIT REQUIREMENTS. DETAILS:				<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA (FURTHER EXPLANATION ATTACHED NO ).			
1. SLUDGE MANAGEMENT ADEQUATE TO MAINTAIN EFFLUENT QUALITY.				<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA			
2. SLUDGE RECORDS MAINTAINED AS REQUIRED BY 40 CFR 503.				<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> U <input checked="" type="checkbox"/> NA			
3. FOR LAND APPLIED SLUDGE, TYPE OF LAND APPLIED TO:				(e.g., FOREST, AGRICULTURAL, PUBLIC CONTACT SITE)			
SECTION I - SAMPLING INSPECTION PROCEDURES (FURTHER EXPLANATION ATTACHED ).							
1. SAMPLES OBTAINED THIS INSPECTION. No samples obtained during inspection.				<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA			
2. TYPE OF SAMPLE OBTAINED							
GRAB COMPOSITE SAMPLE METHOD FREQUENCY							
3. SAMPLES PRESERVED.				<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA			
4. FLOW PROPORTIONED SAMPLES OBTAINED.				<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA			
5. SAMPLE OBTAINED FROM FACILITY'S SAMPLING DEVICE.				<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA			
6. SAMPLE REPRESENTATIVE OF VOLUME AND MATURE OF DISCHARGE.				<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA			
7. SAMPLE SPLIT WITH PERMITTEE.				<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA			
8. CHAIN-OF-CUSTODY PROCEDURES EMPLOYED.				<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA			
9. SAMPLES COLLECTED IN ACCORDANCE WITH PERMIT.				<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA			

**NMDGF Lisboa Springs State Trout Hatchery  
Compliance Evaluation Inspection  
NPDES Permit No. NM0030121  
May 1, 2019**

**Further Explanations**

**Introduction**

On May 1, 2019, Daniel Valenta of the New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB) and Amy Andrews of the U.S. Environmental Protection Agency (USEPA) conducted a Compliance Evaluation Inspection (CEI) at the NM Department of Game and Fish, Lisboa Springs State Trout Hatchery on Hwy 63 near Pecos, NM in San Miguel County. The highest monthly average flow at the Lisboa State Trout Hatchery for the last two years is 0.5989 MGD and is classified as a minor industrial discharger under the federal Clean Water Act, Section 402, of the National Pollutant Discharge Elimination System (NPDES) permit program. It is assigned NPDES permit number NM0030121.

The Lisboa Hatchery discharges into the Pecos River in Segment 20.6.4.217 NMAC of the Pecos River Basin (State of New Mexico Standards for Interstate and Intrastate Surface Waters). Designated uses of Segment 20.6.4.217 NMAC are domestic water supply, fish culture, high quality cold-water aquatic life, irrigation, livestock watering, wildlife habitat, and primary contact. Part of this segment, from Alamitos Canyon to Willow Creek, did not support the high quality cold-water aquatic life use and turbidity was listed as the cause of impairment. (See 2012-2014 State of New Mexico 303(d) List for Assessed River/Stream Reaches Requiring Total Maximum Daily Loads.) A TMDL for turbidity was prepared for this segment in 2005. The permit's daily maximum limitation of 15 mg/L TSS is in accordance with the Waste Load Allocation of the TMDL. The 2014-2016 303(d)/305(b) list no longer lists the segment as impaired, but the TMDL is still in place.

The NMED performs a certain number of CEIs each year for the U.S. Environmental Protection Agency (USEPA), Region VI. The purpose of this inspection is to provide the USEPA with information to evaluate the Permittee's compliance with the NPDES permit. This inspection report is based on information provided by the Permittee's representatives, observations made by the NMED inspector, and records and reports kept by the Permittee and/or NMED.

An entrance interview was conducted with Mr. William Browner, Fish Culturist I at approximately 0953 hours on May 1, 2019. The inspector made introductions, presented credentials and discussed the purpose of the inspection.

The inspector toured the facility with Mr. Browner. Ms. Francina Martinez, Hatchery Manager arrived shortly after the tour began. An exit interview to discuss the preliminary findings of the inspection was conducted with Ms. Martinez at approximately 1338 hours on May 1, 2019.

**NMDGF Lisboa Springs State Trout Hatchery**  
**Compliance Evaluation Inspection**  
**NPDES Permit No. NM0030121**  
**May 1, 2019**

**Treatment Scheme**

The Lisboa Hatchery is a production facility for rainbow trout. The water source for the hatchery is natural springs which stays at a constant flow year around. The facility has been converted into a semi-recirculation system. The water enters the facility via three spring boxes.

Spring box #1 supplies water to the hatchery and eight fry raceways. After the spring water exits the fry raceways It then proceeds to a drum and disc filtration system along with UV sterilization (added to the facility during a shutdown period in 1999 due to the presence of whirling disease. The facility then re-opened in March 2003). This system treats the water before it is delivered to the sixteen available north side/spring-side raceways, where fingerlings and catchable trout are raised. The filtration system filters out solids larger than 10 µm. The excess water from the north side is then delivered to a sump, and then proceeds through another drum and disc filtration system, along with UV sterilization, prior to entering the sixteen-south side/riverside raceways. The solids collected during filtration and from cleaning of the raceways are sent to the facility's waste manifolds, and then to the kettles for settling before the wastewater is discharged from Outfall 002. Generally, flow from the raceways is sent to two recirculation tanks and is then pumped back to the disc filters and resent through the facility.

In 2014, the south side raceways were found to be contaminated with bacterial kidney disease, resulting in the destruction of the contaminated fish, and disinfection of the raceways with hydrogen peroxide. The disinfection appears to have been successful and the hatchery put all the raceways back online.

Spring box #2 supplies domestic water for the residences on site, and spring box #3 supplies the water rack for filling trucks. There are 32 major and 8 minor raceways, and 24 troughs in the system. Outfall 001 was discontinued/plugged and is no longer available for discharge. Outfall 002 is currently the primary outfall for wastewater discharge. It is located at the kettle raceway – a concrete structure originally used for trout production, but which is now used as the final settling basin. This facility change occurred in 1996 when a pipe was installed, allowing facility staff to directly discharge from the waste manifold. Discharge is measured by head height at a 4" weir. Outfall 003 is the old earthen settling basin, which is not currently in use. It would only be used when the kettle basins are being cleaned. Flow would be measured at this outfall by a head height over a 20" weir. The earthen pond has not been in use since approximately 2011.



**NMDGF Lisboa Springs State Trout Hatchery  
Compliance Evaluation Inspection  
NPDES Permit No. NM0030121  
May 1, 2019**

**Further Explanations**

Note: The sections are arranged according to the format of the enclosed EPA Inspection Checklist (Form 3560-3), rather than being ranked in order of importance.

**Section B – Recordkeeping and Reporting Evaluation – Overall rating of “Marginal”**

*The permit requires Per PART III: Standard Conditions: C.4. RECORD CONTENTS: Records of monitoring information shall include:*

- a. The date, exact place, and time of sampling or measurements;*
- b. The individual(s) who performed the sampling or measurements;*
- c. The date(s) and time(s) analyses were performed;*
- d. The individual(s) who performed the analyses;*
- e. The analytical techniques or methods used; and*
- f. The results of such analyses.*

**The permit requires Per Part I.A.1**

*During the period beginning the effective date of the permit and lasting through the expiration date of the permit (unless otherwise noted), the permittee is authorized to discharge hatchery wastewater to Pecos River (Segment 20.6.4.217) from Outfall 002 and 003. Such discharges shall be limited and monitored by the permittee and reported as Outfall 002, as specified below:*

<i>Pollutant</i>	<i>Minimum</i>	<i>Maximum</i>	<i>Frequency</i>	<i>Type</i>
<i>pH</i>	<i>6.6 s.u.</i>	<i>8.8 s.u.</i>	<i>2/month (*1)</i>	<i>Grab</i>

- *Monitoring for pH has a 15-minute holding time per 40 CFR 136.3.*

**Finding:**

Taking a discharge sample and analyzing the sample for pH is required twice a month. The type of sample required is a grab sample. Per footnote 1 above the analyses must be completed with a 15 minute holding time. The bench sheet detailing when the sample was taken and by who does not have the time of analyses.

**NMED/SWQB  
Official Photograph Log**

Photo # 1

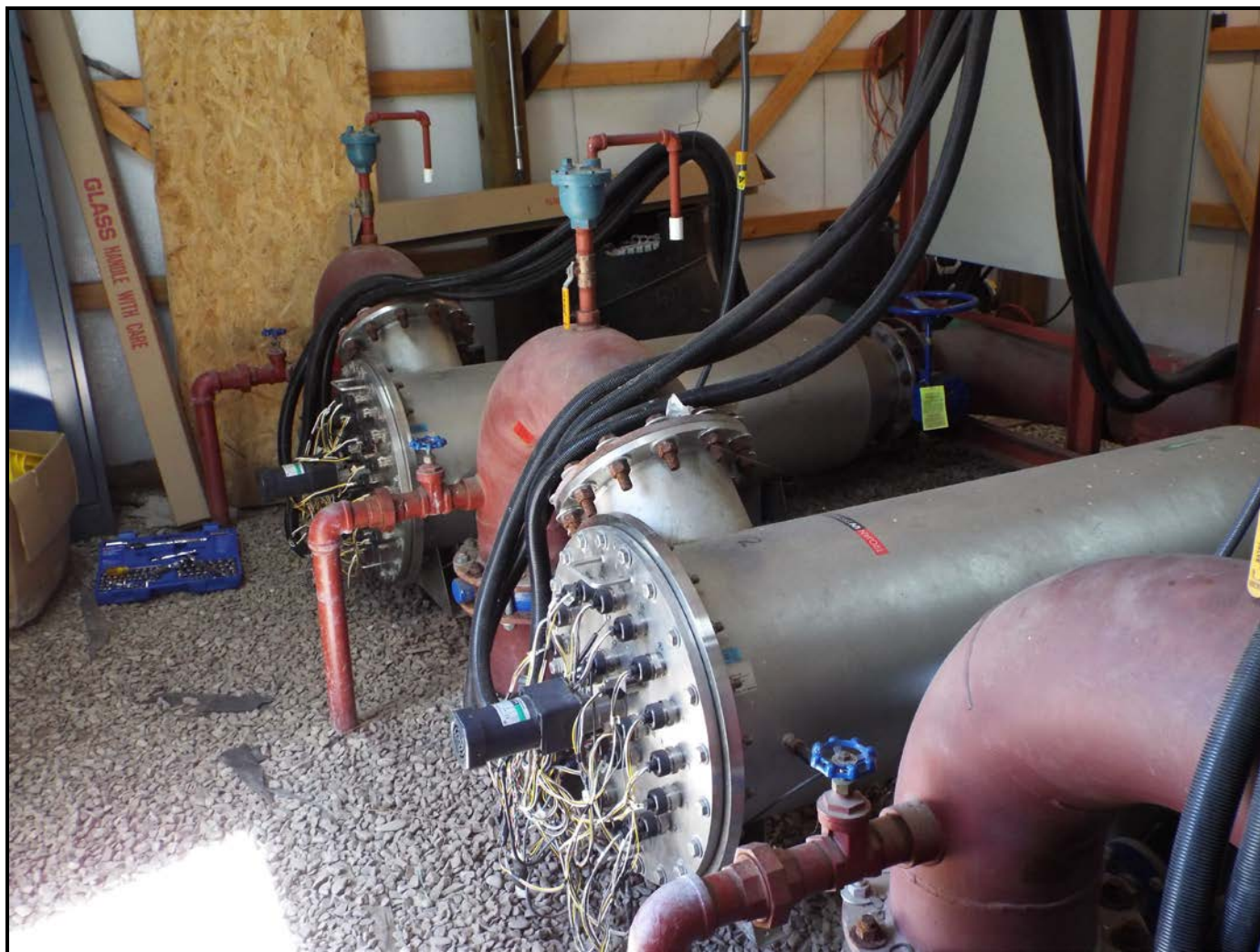
Photographer: Daniel Valenta	Date: 5/1/2019	Time: 1106 hours
City/County: 2.5 miles north of Los Vegas on Hwy 63/ San Miguel County		
Location: 26 Fish Hatchery Road, Pecos, NM		
Subject: Centrifuge filter to clean and reuse water.		



**NMED/SWQB  
Official Photograph Log**

Photo # 2

Photographer: Daniel Valenta	Date: 5/1/2019	Time: 1113 hours
City/County: 2.5 miles north of Los Vegas on Hwy 63/ San Miguel County		
Location: 26 Fish Hatchery Road, Pecos, NM		
Subject: UV chambers to clean and reuse water.		





**NMED/SWQB  
Official Photograph Log**

Photo # 3

Photographer: Daniel Valenta	Date: 5/1/2019	Time: 1204 hours
City/County: 2.5 miles north of Los Vegas on Hwy 63/ San Miguel County		
Location: 26 Fish Hatchery Road, Pecos, NM		
Subject: Final settling pond.		



**NMED/SWQB  
Official Photograph Log**

Photo # 4

Photographer: Daniel Valenta	Date: 5/1/2019	Time: 1207 hours
City/County: 2.5 miles north of Los Vegas on Hwy 63/ San Miguel County		
Location: 26 Fish Hatchery Road, Pecos, NM		
Subject: Flow is measured here and discharges to the Pecos River.		





GOVERNOR  
Michelle Lujan Grisham



DIRECTOR AND SECRETARY  
TO THE COMMISSION  
Michael B. Sloane

## STATE OF NEW MEXICO DEPARTMENT OF GAME & FISH

One Wildlife Way, Santa Fe, NM 87507  
Post Office Box 25112, Santa Fe, NM 87504  
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### STATE GAME COMMISSION

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Placitas

June 12, 2019

US Environmental Protection Agency  
Enforcement Branch (6EN-WS)  
Attn: David Long  
1445 Ross Avenue, Suite 1200  
Dallas, TX 75202-2733

New Mexico Environment Department  
Surface Water Quality Bureau  
Attn: Sarah Holcomb  
PO Box 5469  
Santa Fe, NM 87502

Dear Mr. Long and Ms. Holcomb,

The Department would like to comment on the findings in the New Mexico Environment Department (NMED) Compliance Evaluation Inspection; SIC 0921; NPDES #NM0030121 for the Lisboa Springs State Fish Hatchery.

#### Section B- Recordkeeping and Reporting Evaluation

NMED indicated that the bench sheet used by the hatchery is missing the time pH analyses occurred. The protocol for sampling pH (Hatchery Management Plan, Appendix D), instructs the sampler to collect approximately 1000mL of water and immediately test the sample. Therefore, the time the sample is collected and time of analysis is one and the same, and is indicated on the bench sheet as "pH Sampling Time (Start)". The department asks that the score on the evaluation be corrected and the overall score for this section be updated to Satisfactory. The Department will add "collected" to the bench sheet to reduce any further confusion.

The Department will address all other items stated in the NPDES Compliance Evaluation Inspection. We appreciate the opportunity to review and comment.

Sincerely,

Kirk Patten  
Chief, Fisheries Management

Cc: Roderick Gallegos, Asst. Chief- Fisheries Management, NM Department of Game and Fish  
Lisboa Springs State Fish Hatchery, NM Department of Game and Fish